Unit and Dimension Practice   **Name** _____
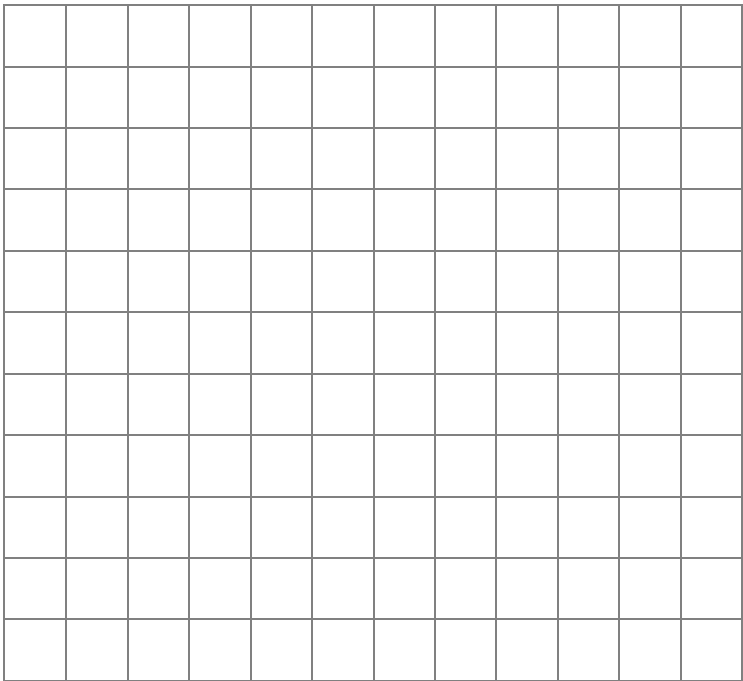
This length: ▬▬ is the unit called a ***linea***. The grid to the left is based on this unit.

A) Draw a segment 4 *linea* long on the grid.

B) What does a single square *linea* (linea^2) look like?

C) Can you draw a rectangle with an area of 1 linea^2 that is not a square? Please do so!

D) Draw a rectangle that has an area of 5 linea^2.

E) Draw a second rectangle that has an area of 5 linea^2, but with different dimensions than your first one.

F) What is a cubic *linea*? What everyday object has a volume about 1 *linea*^{3}?

Now let's introduce the trimetric prefixes!

Tri – three of something.

Nona – nine of something

Venseti – Twenty-seven of something

Itria – One third of something.

Inona – One ninth of something

Ivensetia – One twenty-seventh of something

F) Please draw a trilinea.

G) Please draw an itrialinea.

H) How many linea fit in a trilinea? _____

I) How many itrialinea fit in a trilinea? _____

J) How many trilinea fit in a linea? _____

K) Please draw a trilinea^2.

L) Please draw an itrialinea^2.

M) How many linea^2 fit in a trilinea^2? _____

N) How many itrialinea^2 fit in a linea^2? _____

P) How many ivensetialinea fit in a trilinea? _____

Q) How many vensetilinea fit in a trilinea? _____

R) How many vensetilinea fit in an ivensetialinea? _____

S) How many ivensetialinea^2 fit in a linea^2? _____

T) How many ivensetialinea^3 fit in a linea^3? _____